

Play: 6103 Simpson Structural Oil

Province: 61 Southern Oklahoma

Geologist: Henry, M.E., and Hester, T.C.

Status: confirmed

Play Attributes:

Probability of Occurrence

Charge	1.00
Reservoir rock	1.00
Traps	1.00
Play Probability	1.00

Size of Undiscovered Accumulations (>1 MMBOE) (Conditional):

Oil Accumulations Gas Accumulations

Median	6	MMBO	BCFG
F5 of Largest Accumulat	60	MMBO	BCFG
TSP Shape Factor	4		
Mean (calculated)	9.8	MMBO	BCFG

Number of Undiscovered Accumulations (>1 MMBOE) (Conditional):

Oil Accumulations Gas Accumulations

Minimum	2	0
Median	4	0
Maximum	10	0
Mean (calculated)	4.9	0.0

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Ratio of Associated-Dissolved Gas to Oil: 2,000 CFG/bbl

Ratio of NGL to Non-Associated Gas: bbl/MMCF

Ratio of NGL to Associated-Dissolved Gas: 50 bbl/MMCF

API Gravity (degrees):	<u>minimum</u>	<u>mean</u>	<u>maximum</u>
	18.0	37.0	64.0

Depth of Oil Accumulations (ft):	<u>minimum</u>	<u>median</u>	<u>maximum</u>
	1,300	5,000	13,000

Depth of N-A Gas Accumulations (ft):	<u>minimum</u>	<u>median</u>	<u>maximum</u>
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Estimated Resources:

Oil (MMBO)

<u>F99</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F1</u>	<u>mean</u>	<u>s.d.</u>
1.50	3.40	13.10	29.40	54.70	100.00	137.50	47.70	33.30

NGL (MMBNGL)

<u>F99</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F1</u>	<u>mean</u>	<u>s.d.</u>
0.15	0.34	1.31	2.94	5.47	10.00	13.75	4.80	3.33

Associated-Dissolved Gas (BCFG)

<u>F99</u>	<u>F95</u>	<u>F75</u>	<u>F50</u>	<u>F25</u>	<u>F5</u>	<u>F1</u>	<u>mean</u>	<u>s.d.</u>
3.00	6.80	26.20	58.80	109.40	200.00	275.00	95.30	66.60

Non-Associated Gas (BCFG)

[illegible]